Diabetologia

Clinical and Experimental Diabetes and Metabolism
Journal of the European Association for the Study of Diabetes (EASD)

Contents of Volume 45 • 2002

Editorial

Waldhäusl W.K.: The world in which we live 1

Reviews

Chan N.N., Chan J.C.N.: Asymmetric dimethylarginine (ADMA): a potential link between endothelial dysfunction and cardiovascular diseases in insulin resistance syndrome? 1609
Cryer P.E.: Hypoglycaemia: The limiting factor in the glycaemic management of Type I and Type II Diabetes 937
Field L.L.: Genetic linkage and association studies of Type I diabetes: challenges and rewards 21
Frayn K.N.: Adipose tissue as a buffer for daily lipid flux 1201
Fürnsinn C., Waldhäusl W.: Thiazolidinediones: metabolic actions in vitro 1211
Heine R.J., Dekker J.M.: Beyond postprandial hyperglycaemia: metabolic factors associated with cardiovascular disease 461
Hyöty H., Taylor K.W.: The role of viruses in human diabetes 1353
Jansson L., Carlsson P.-O.: Graft vascular function after transplantation of pancreatic islets 749
Khan A.H., Pessin J.E.: Insulin regulation of glucose uptake: a complex interplay of intracellular signalling pathways 1475
Leiter E.H.: Mice with targeted gene disruptions or gene insertions for diabetes research: problems, pitfalls, and potential solutions 296
Melloul D., Marshak S., Cerasi E.: Regulation of insulin gene transcription 309
Porta M., Bandello F.: Diabetic retinopathy. A clinical update 1617
Pørksen N.: The in vivo regulation of pulsatile insulin secretion 3
Radziuk J., Pye S.: Quantitation of basal endogenous glucose production in Type II diabetes. Importance of the volume of distribution 1053
Rajbhandari S.M., Jenkins R.C., Davies C., Tesfaye S.: Charcot neuroarthropathy in diabetes mellitus 1085
Redondo M.J., Eisenbarth G.S.: Genetic control of autoimmunity in Type I diabetes and associated disorders 605
Saleh M.C., Wheeler M.B., Chan C.B.: Uncoupling protein-2: evidence for its function as a metabolic regulator 174
Smith D., Amiel S.A.: Hypoglycaemia unawareness and the brain 949
Spitaler M.M., Graier W.F.: Vascular targets of redox signalling in diabetes mellitus 476
Steinberg H.O., Baron A.D.: Vascular function, insulin resistance and fatty acids 623
Vos P. de, Hamel A.F., Tatarkiewicz K.: Considerations for successful transplantation of encapsulated pancreatic islets 159

Articles

Advani A., Marshall S.M., Thomas T.H.: Impaired neutrophil actin assembly causes persistent CD11b expression and reduced primary granule exocytosis in Type II diabetes 719
Agersø H., Jensen L.B., Elbrønd B., Rolan P., Zdravkovic M.: The pharmacokinetics, pharmacodynamics, safety and tolerability of NN2211, a new long-acting GLP-1 derivative, in healthy men 195
Alberts P., Engblom L., Edling N., Forsgren M., Klingström G., Larsson C., Rönquist-Nii Y., Öhman B., Abrahmsén L.: Selective inhibition of 11β-hydroxysteroid dehydrogenase type 1 decreases blood glucose concentrations in hyperglycaemic mice 1528
Antonelli A., Tuomi T., Nannipieri M., Fallahi P., Nesti C., Okamoto H., Groop L., Ferrannini E.: Autoimmunity to CD38 and GAD in Type I and Type II diabetes: CD38 and HLA genotypes and clinical phenotypes 1298
Aronson D., Burger A.J.: Diabetes and the occurrence of ventricular arrhythmic events in patients with severe left ventricular dysfunction 1440
Atchley D.H., Lopes-Virella M.F., Zheng D., Kenny D., Virella G.: Oxidized LDL-anti-oxidized LDL immune complexes and diabetic nephropathy 1562
Balkau B., Forhan A., Eschwège E.: Two hour plasma glucose is not unequivocally predictive for early death in men with impaired fasting glucose: more results from the Paris Prospective Study 1224
Bangstad H.-J., Østerby R., Rudberg S., Hartmann A., Brabrand K., Hanssen K.F.: Kidney function and glomerulopathy over 8 years in young patients with Type I (insulin-dependent) diabetes mellitus and microalbuminuria 253
Barth N., Langmann T., Schölmerich J., Schmitz G., Schäffler A.: Identification of regulatory elements in the human adipose most abundant gene transcript-1 *(apM-1)* promoter: role of SP1/SP3 and TNF-α as regulatory pathways 1425
Bast A., Wolf G., Oberbäumer I., Walther R.: Oxidative and nitrosative stress induces peroxiredoxins in pancreatic beta cells 867
Beales P.E., Elliott R.B., Flohé S., Hill J.P., Kolb H., Pozzilli P., Wang G.-S., Wasmuth H., Scott F.W.: A multi-centre, blinded international trial of the effect of A^1 and A^2 β-casein variants on diabetes incidence in two rodent models of spontaneous Type I diabetes 1240
Beltramo E., Pomero F., Allione A., D'Alú F., Ponte E., Porta M.: Pericyte adhesion is impaired on extracellular matrix produced by endothelial cells in high hexose concentrations *(Short communication)* 416
Bertuzzi F., Grohovaz F., Maffi P., Caumo A., Aldrighetti L., Nano R., Hengster P., Calori G., Di Carlo V., Bonifacio E., Secchi A.: Succesful transplantation of human islets in recipients bearing a kidney graft 77
Beysen C., Karpe F., Fielding B.A., Clark A., Levy J.C., Frayn K.N.:

Interaction between specific fatty acids, GLP-1 and insulin secretion in humans 1533
Bieda K., Pani M.A., Auwera B. van der, Seidl C., Tönjes R.R., Gorus F., Usadel K.H., Badenhoop K.: A retroviral long terminal repeat adjacent to the *HLA DQB1* gene *(DQ-LTR13)* modifies Type I diabetes susceptibility on high risk *DQ* haplotypes 443
Björnholm M., Al-Khalili L., Dicker A., Näslund E., Rössner S., Zierath J.R., Arner P.: Insulin signal transduction and glucose transport in human adipocytes: effects of obesity and low calorie diet 1128
Björnholm M., He A.R., Attersand A., Lake S., Liu S.C.H., Lienhard G.E., Taylor S., Arner P., Zierath J.R.: Absence of functional insulin receptor substrate-3 *(IRS-3)* gene in humans 1697
Blondeau B., Avril I., Duchene B., Bréant B.: Endocrine pancreas development is altered in foetuses from rats previously showing intra-uterine growth retardation in response to malnutrition 394
Blüher M., Unger R., Rassoul F., Richter V., Paschke R.: Relation between glycaemic control, hyperinsulinaemia and plasma concentrations of soluble adhesion molecules in patients with impaired glucose tolerance or Type II diabetes 210
Bouchard P., Ghitescu L.D., Bendayan M.: Morpho-functional studies of the blood-brain barrier in streptozotocin-induced diabetic rats 1017
Boujendar S., Reusens B., Merezak S., Ahn M.-T., Arany E., Hill D., Remacle C.: Taurine supplementation to a low protein diet during foetal and early postnatal life restores a normal proliferation and apoptosis of rat pancreatic islets 856
Brice N.L., Varadi A., Ashcroft S.J.H., Molnar E.: Metabotropic glutamate and $GABA_B$ receptors contribute to the modulation of glucose-stimulated insulin secretion in pancreatic beta cells 242
Bulman M.P., Harries L.W., Hansen T., Shepherd M., Kelly W.F., Hattersley A.T., Ellard S.: Abnormal splicing of hepatocyte nuclear factor 1 alpha in maturity-onset diabetes of the young 1463
Cassone Faldetta M., Laurenti O., Desideri G., Bravi M.C., De Luca O., Marinucci M.C., De Mattia G., Ferri C.: L-arginine infusion decreases plasma total homocysteine concentrations through increased nitric oxide production and decreased oxidative status in Type II diabetic patients 1120
Cervin C., Orho-Melander M., Ridderstråle M., Lehto M., Barg S., Groop L., Cilio C.M.: Characterization of a naturally occurring mutation (L1071) in the *HNF1α* (MODY3) gene 1703
Chandie Shaw P.K., Vandenbroucke J.P., Tjandra Y.I., Rosendaal F.R., Rosman J.B., Geerlings W., Charro F.Th. de, Es L.A. van: Increased end-stage diabetic nephropathy in Indo-Asian immigrants living in the Netherlands 337
Chavakis E., Riecke B., Lin J., Linn T., Bretzel R.G., Preissner K.T., Brownlee M., Hammes H.-P.: Kinetics of integrin expression in the mouse model of proliferative retinopathy and success of secondary intervention with cyclic peptides 262
Christiansen M.S., Hommel E., Magid E., Feldt-Rasmussen B.: Orosomucoid in urine predicts cardiovascular and over-all mortality in patients with Type II diabetes 115
Chua S.J., Mei Liu S., Li Q., Yang L., Thassanapaff V.T., Fisher P.: Differential beta cell responses to hyperglycaemia and insulin resistance in two novel congenic strains of diabetes (FVB-*Lepr^{db}*) and obese (DBA-*Lep^{ob}*) mice 976
Chung H., Kim J., Um J.Y., Kwon I.C., Jeong S.Y.: Self-assembled "nanocubicle" as a carrier for peroral insulin delivery 448
Clémenceau B., Jégou D., Martignat L., Saï P.: Microchimerism and transmission of porcine endogenous retrovirus from a pig cell line or specific pathogen-free pig islets to mouse tissues and human cells during xenografts in nude mice 914
Colantuoni A., Longoni B., Marchiafava P.L.: Retinal photoreceptors of Syrian hamsters undergo oxidative stress during streptozotocin-induced diabetes *(Short communication)* 121
Czerny M., Sahin V., Fasching P., Zuckermann A., Zimpfer D., Kilo J., Wolner E., Grimm M.: The impact of diabetes mellitus at the time of heart transplantation on long-term survival 1498
Decochez K., De Leeuw I.H., Keymeulen B., Mathieu C., Rottiers R., Weets I., Vaudemeulebroucke E., Truyen I., Kaufman L., Schuit F.C., Pipeleers D.G., Gorus F.K.: IA-2 autoantibodies predict impending Type I diabetes in siblings of patients *(Rapid Communication)* 1658
Douek I.F., Gillespie K.M., Bingley P.J., Gale E.A.M.: Diabetes in the parents of children with Type I diabetes 495
Ebbehøj E., Poulsen P.L., Hansen K.W., Knudsen S.T., Mølgaard H., Mogensen C.E.: Effects on heart rate variability of metoprolol supplementary to ongoing ACE-inhibitor treatment in Type I diabetic patients with abnormal albuminuria 965
Ehrmann D.A., Breda E., Cavaghan M.K., Bajramovic S., Imperial J., Toffolo G., Cobelli C., Polonsky K.S.: Insulin secretory responses to rising and falling glucose concentrations are delayed in subjects with impaired glucose tolerance 509
Elbein S.C., Chu W., Ren Q., Wang H., Hemphill C., Hasstedt S.J.: Evaluation of apolipoprotein *A-II* as a positional candidate gene for familial Type II diabetes, altered lipid concentrations, and insulin resistance 1026
Elsner M., Tiedge M., Guldbakke B., Munday R., Lenzen S.: Importance of the GLUT2 glucose transporter for pancreatic beta cell toxicity of alloxan 1542
Eriksson J.G., Forsén T., Tuomilehto J., Jaddoe V.W.V., Osmond C., Barker D.J.P.: Effects of size at birth and childhood growth on the insulin resistance syndrome in elderly individuals 342
Etten R.W. van, Koning E.J.P. de, Verhaar M.C., Gaillard C.A.J.M., Rabelink T.J.: Impaired NO-dependent vasodilation in patients with Type II (non-insulin-dependent) diabetes mellitus is restored by acute administration of folate 1004
Evers I.M., Valk H.W. de, Mol B.W.J., Braak E.W.M.T. ter, Visser G.H.A.: Macrosomia despite good glycaemic control in Type I diabetic pregnancy; results of a nationwide study in The Netherlands 1484
Fernández-Galaz C., Fernández-Agulló T., Pérez C., Peralta S., Arribas C., Andrés A., Carrascosa J.M., Ros M.: Long-term food restriction prevents ageing-associated central leptin resistance in wistar rats 997
Fuchsjäger-Mayrl G., Kautzky-Willer A., Kiss B., Roden M., Wagner O., Pleiner J., Wolzt M., Schmetterer L.: Ocular hyperperfusion following onset of intensified insulin therapy is inversely correlated with plasma endothelin-1 in Type I diabetes 883
Gawron W., Pospiech L., Orendorz-Fraczkowska K., Noczynska A.: Are there any disturbances in vestibular organ of children and young adults with Type I diabetes? 728
Gimeno S.G.A., Ferreira S.R.G., Franco L.J., Hirai A.T., Matsumura L., Moisés R.S.: Prevalence and 7-year incidence of Type II diabetes mellitus in a Japanese-Brazilian population: an alarming public health problem *(Short Communication)* 1635
Gloyn A.L., Desai M., Clark A., Levy J.C., Holman R.R., Frayling T.M., Hattersley A.T., Ashcroft S.J.H.: Human calcium/calmodulin-dependent protein kinase II gamma gene *(CAMK2G)*: cloning, genomic structure and detection of variants in subjects with Type II diabetes *(Short communication)* 580
Gozali M., Pavia J.M., Morris M.J.: Involvement of neuropeptide Y in glucose sensing in the dorsal hypothalamus of streptozotocin diabetic rats – in vitro and in vivo studies of transmitter release 1332
Gros L., Bréant B., Duchene B., Leroy C., Fauconnier G., Bataille D., Virsolvy A.: Localization of α-endosulphine in pancreatic somatostatin δ cells and

expression during rat pancreas development 703
Grosfeld A., Zilberfarb V., Turban S., André J., Guerre-Millo M., Issad T.: Hypoxia increases leptin expression in human PAZ6 adipose cells *(Rapid communication)* 527
Guz Y., Torres A., Teitelman G.: Detrimental effect of protracted hyperglycaemia on beta-cell neogenesis in a mouse murine model of diabetes 1689
Hale T.W., Kristensen J.H., Hackett L.P., Kohan R., Ilett K.F.: Transfer of metformin into human milk 1509
Hamer I., Foti M., Emkey R., Cordier-Bussat M., Philippe J., De Moyts P., Maeder C., Kahn C.R., Carpentier J.-L.: An arginine to cysteine^{252} mutation in insulin receptors from a patient with severe insulin resistance inhibits receptor internalisation but preserves signalling events 657
Hansen B., Svistounov D., Olsen R., Nagai R., Horiuchi S., Smedsrød B.: Advanced glycation end products impair the scavenger function of rat hepatic sinusoidal endothelial cells 1379
Hara K., Tobe K., Okada T., Kadowaki H., Akanuma Y., Ito C., Kimura S., Kadowaki T.: A genetic variation in the *PGC-1* gene could confer insulin resistance and susceptibility to Type II diabetes *(Short communication)* 740
Herlihy O.M., Barrow B.A., Grant P.J., Levy J.C.: Hyperglycaemic siblings of Type II (non-insulin-dependent) diabetic patients have increased PAI-1, central obesity and insulin resistance compared with their paired normoglycaemic sibling 635
Hinokio Y., Suzuki S., Hirai M., Suzuki C., Suzuki M., Toyota T.: Urinary excretion of 8-oxo-7, 8-dihydro-2'-deoxyguanosine as a predictor of the development of diabetic nephropathy 877
Hoffstedt J., Andersson I.-L., Persson L., Isaksson B., Arner P.: The common-*675 4G/5G* polymorphism in the plasminogen activator inhibitor –1 gene is strongly associated with obesity 584
Hoffstedt J., Rydén M., Löfgren P., Orho-Melander M., Groop L., Arner P.: Polymorphism in the *Calpain 10* gene influences glucose metabolism in human fat cells *(Rapid communication)* 276
Hogeboom van Buggenum I.M., Polak B.C.P., Reichert-Thoen J.W.M., Vries-Knoppert W.A.E.J. de, Hinsbergh V.W.M. van, Tangelder G.J.: Angiotensin converting enzyme inhibiting therapy is associated with lower vitreous vascular endothelial growth factor concentrations in patients with proliferative diabetic retinopathy 203
Hollingdal M., Juhl C.B., Dall R., Sturis J., Veldhuis J.D., Schmitz O., Pørksen N.: Glucocorticoid induced insulin resistance impairs basal but not glucose entrained high-frequency insulin pulsatility in humans 49
Hölzl B., Iglseder B., Sandhofer A., Malaimare L., Lang J., Paulweber B., Sandhofer F.: Insulin sensitivity is impaired in heterozygous carriers of lipoprotein lipase deficiency 378
Houdali B., Nguyen V., Ammon H.P.T., Haap M., Schechinger W., Machicao F., Rett K., Häring H.-U., Schleicher E.D.: Prolonged glucose infusion into conscious rats inhibits early steps in insulin signalling and induces translocation of GLUT4 and protein kinase C in skeletal muscle 356
Huang T.-J., Sayers N.M., Fernyhough P., Verkhratsky A.: Diabetes-induced alterations in calcium homeostasis in sensory neurones of streptozotocin-diabetic rats are restricted to lumbar ganglia and are prevented by neurotrophin-3 560
Iafusco D., Stazi M.A., Cotichini R., Cotellessa M., Martinucci M.E., Mazzella M., Cherubini V., Barbetti F., Martinetti M., Cerutti F., Prisco F.: Permanent diabetes mellitus in the first year of life 798
Ikema T., Shimajiri Y., Komiya I., Tawata M., Sunakawa S., Yogi H., Shimabukuro M., Takasu N.: Identification of three new mutations of the *HNF-1α* gene in Japanese MODY families 1713
Iozzo P., Chareonthaltawee P., Rimoldi O., Betteridge D.J., Camici P.G., Ferrannini E.: Mismatch between insulin-mediated glucose uptake and blood flow in the heart of patients with Type II diabetes *(Rapid communication)* 1404
Ishimura E., Okuno S., Kitatani K., Kim M., Shoji T., Nakatani T., Inaba M., Nishizawa Y.: Different risk factors for peripheral vascular calcification between diabetic and non-diabetic haemodialysis patients – importance of glycaemic control *(Short communication)* 1446
Iwamoto K., Mori H., Okazawa H., Hashiramoto M., Kasuga M.: Identification of a single nucleotide polymorphism showing no insulin-mediated suppression of the promoter activity in the human insulin receptor substrate 2 gene 1182
Jackerott M., Baudry A., Bucchini D., Jami J., Joshi R.L.: Improved metabolic disorders of insulin receptor-deficient mice by transgenic overexpression of glucokinase in the liver 1292
Jesmin S., Sakuma I., Hattori Y., Fujii S., Kitabatake A.: Long-acting calcium channel blocker benidipine suppresses expression of angiogenic growth factors and prevents cardiac remodelling in a Type II diabetic rat model 402
Jörns A., Tiedge M., Lenzen S.: Thyroxine induces pancreatic beta-cell apoptosis in rats *(Short Communication)* 851
Jun H.-S., Chung Y.-H., Han J., Kim A., Yoo S.S., Sherwin R.S., Yoon J.-W.: Prevention of autoimmune diabetes by immunogene therapy using recombinant vaccinia virus expressing glutamic acid decarboxylase 668
Kang Y., Huang X., Pasyk E.A., Ji J., Holz G.G., Wheeler M.B., Tsushima R.G., Gaisano H.Y.: Syntaxin-3 and syntaxin-1A inhibit L-type calcium channel activity, insulin biosynthesis and exocytosis in beta-cell lines 231
Keskinen P., Korhonen S., Kupila A., Veijola R., Erkkilä S., Savolainen H., Arvilommi P., Simell T., Ilonen J., Knip M., Simell O.: First-phase insulin response in young healthy children at genetic and immunological risk for Type I diabetes 1639
Kessel L., Hougaard J.L., Sander B., Kyvik K.O., Sørensen T.I.A., Larsen M.: Lens ageing as an indicator of tissue damage associated with smoking and non-enzymatic glycation – a twin study 1457
Kim K.-A., Kim S., Chang I., Kim G.S., Min Y.-K., Lee M.-K., Kim K.-W., Lee M.-S.: IFNγ/TNFα synergism in MHC class II induction: effect of nicotinamide on MHC class II expression but not on islet-cell apoptosis 385
Kimura F., Gotoh M., Tanaka T., Luo Z., Miyazaki J., Uede T., Monden M., Miyasaka M.: Locally expressed CTLA4-Ig in a pancreatic beta-cell line suppresses accelerated graft rejection response induced by donor-specific transfusion 831
Kinoshita N., Kakehashi A., Inoda S., Itou Y., Kuroki M., Yasu T., Kawakami M., Kanazawa Y.: Effective and selective prevention of retinal leukostasis in streptozotocin-induced diabetic rats using gliclazide 735
Langham R.G., Kelly D.J., Cox A.J., Thomson N.M., Holthöfer H., Zaoui P., Pinel N., Cordonnier D.J., Gilbert R.E.: Proteinuria and the expression of the podocyte slit diaphragm protein, nephrin, in diabetic nephropathy: effects of angiotensin converting enzyme inhibition 1572
Lannoy V.J., Decaux J.F., Pierreux C.E., Lemaigre F.P., Rousseau G.G.: Liver glucokinase gene expression is controlled by the onecut transcription factor hepatocyte nuclear factor-6 1136
Larsen M.O., Elander M., Sturis J., Wilken M., Carr R.D., Rolin B., Pørksen N.: The conscious Göttingen minipig as a model for studying rapid pulsatile insulin secretion in vivo 1389
Lawlor D.A., Ebrahim S., Davey Smith G.D.: The association between components of adult height and Type II diabetes and insulin resistance: British Women's Heart and Health Study 1097
Leunda-Casi A., Genicot G., Donnay I., Pampfer S., De Hertogh R.: Increased cell death in mouse blastocysts exposed to high d-glucose in vitro: implications of an oxidative stress and alterations in glucose metabolism 571
Lobmann R., Ambrosch A., Schultz G., Waldmann K., Schiweck S., Lehnert H.:

Expression of matrix-metalloproteinases and their inhibitors in the wounds of diabetic and non-diabetic patients 1011
Luik P.T., Hoogenberg K., Kleij F.G.H. van der, Beusekamp B.J., Kerstens M.N., Jong P.E. de, Dullaart R.P.F., Navis G.J.: Short-term moderate sodium restriction induces relative hyperfiltration in normotensive normoalbuminuric Type I diabetes mellitus 535
Mäkimattila S., Ylitalo K., Schlenzka A., Taskinen M.-R., Summanen P., Syvänne M., Yki-Järvinen H.: Family histories of Type II diabetes and hypertension predict intima-media thickness in patients with Type I diabetes 711
Mallone R., Ortolan E., Pinach S., Volante M., Zanone M.M., Bruno G., Baj G., Lohmann T., Cavallo-Perin P., Malavasi F.: Anti-CD38 autoantibodies: Characterisation in new-onset Type I diabetes and latent autoimmune diabetes of the adult (LADA) and comparison with other islet autoantibodies 1667
Manderson J.G., Mullan B., Patterson C.C., Hadden D.R., Traub A.I., McCance D.R.: Cardiovascular and metabolic abnormalities in the offspring of diabetic pregnancy 991
Marfella R., D'Amico M., Di Filippo C., Piegari E., Nappo F., Esposito K., Berrino L., Rossi F., Giugliano D.: Myocardial infarction in diabetic rats: role of hyperglycaemia on infarct size and early expression of hypoxia-inducible factor 1 1172
Mattu R.K., Trevelyan J., Needham E.W.A., Khan M., Adiseshiah M.A., Richter D., Murray R.G., Betteridge D.J.: Lipoprotein lipase gene variants relate to presence and degree of microalbuminuria in Type II diabetes 905
Mayhew T.M.: Enhanced fetoplacental angiogenesis in pre-gestational diabetes mellitus: the extra growth is exclusively longitudinal and not accompanied by microvascular remodelling 1434
McLennan S.V., Kelly D.J., Cox A.J., Cao Z., Lyons J.G., Yue D.K., Gilbert R.E.: Decreased matrix degradation in diabetic nephropathy: effects of ACE inhibition on the expression and activities of matrix metalloproteinases 268
Meyer M.M., Levin K., Grimmsmann T., Beck-Nielsen H., Klein H.H.: Insulin signalling in skeletal muscle of subjects with or without Type II-diabetes and first degree relatives of patients with the disease 813
Milsom A.B., Jones C.J.H., Goodfellow J., Frenneaux M.P., Peters J.R., James P.E.: Abnormal metabolic fate of nitric oxide in Type I diabetes mellitus 1515
Mitchell S.M.S., Vaxillaire M., Thomas H., Parrizas M., Benmezroua Y., Costa A., Hansen T., Owen K.R., Tuomi T., Pirie F., Ryffel G.U., Ferrer J., Froguel P., Hattersley A.T., Frayling T.M.: Rare variants identified in the HNF-*4aβ*-cell-specific promoter and alternative exon 1 lack biological significance in maturity onset diabetes of the young and young onset Type II diabetes 1344
Mittermayer F., Mayer B.X., Meyer A., Winzer C., Pacini G., Wagner O.F., Wolzt M., Kautzky-Willer A.: Circulating concentrations of asymmetrical dimethyl-L-arginine are increased in women with previous gestational diabetes 1372
Mühlhauser I., Sawicki P.T., Blank M., Overmann H., Richter B., Berger M.: Reliability of causes of death in persons with Type I diabetes 1490
Müller S., Martin S., Koenig W., Hanifi-Moghaddam P., Rathmann W., Haastert B., Giani G., Illig T., Thorand B., Kolb H.: Impaired glucose tolerance is associated with increased serum concentrations of interleukin 6 and co-regulated acute-phase proteins but not TNF-α or its receptors 805
Nabuurs-Franssen M.H., Houben A.J.H.M., Tooke J.E., Schaper N.C.: The effect of polyneuropathy on foot microcirculation in Type II diabetes 1164
Nakanishi N., Yoshida H., Matsuo Y, Suzuki K., Tatara K.: White blood-cell count and the risk of impaired fasting glucose or Type II diabetes in middle-aged Japanese men 42
Nammo T., Yamagata K., Hamaoka R., Zhu Q., Akiyama T.E., Gonzalez F.J., Miyagawa J., Matsuzawa Y.: Expression profile of MODY3/HNF-1α protein in the developing mouse pancreas 1142
Natarajan R., Gerrity R.G., Gu J.-L., Lanting L., Thomas L., Nadler J.L.: Role of 12-lipoxygenase and oxidant stress in hyperglycaemia-induced acceleration of atherosclerosis in a diabetic pig model 125
Neugebauer S., Tarnow L., Stehouwer C., Teerlink T., Baba T., Watanabe T., Parving H.-H.: Total plasma homocysteine is associated with hypertension in Type I diabetic patients 1315
Nicoletti F., Conget I., Di Mauro M., Di Marco R., Mazzarino M.C., Bendtzen K., Messina A., Gomis R.: Serum concentrations of the interferon-γ-inducible chemokine IP-10/CXCL10 are augmented in both newly diagnosed Type I diabetes mellitus patients and subjects at risk of developing the disease *(Short communication)* 1107
Nolsøe R.L., Kristiansen O.P., Larsen Z.M., Johannesen J., Pociot F., Mandrup-Poulsen T.: Complete mutation scan of the human Fas ligand gene: linkage studies in Type I diabetes mellitus families 134
Nomiyama T., Tanaka Y., Hattori N., Nishimaki K., Nagasaka K., Kawamori R., Ohta S.: Accumulation of somatic mutation in mitochondrial DNA extracted from peripheral blood cells in diabetic patients 1577
Ohtoshi K., Yamasaki Y., Gorogawa S., Hayaishi-Okano R., Node K., Matsuhisa M., Kajimoto Y., Hori M.: Association of −786T-C mutation of endothelial nitric oxide synthase gene with insulin resistance 1594
Okouchi M., Okayama N., Imai S., Omi H., Shimizu M., Fukutomi T., Itoh M.: High insulin enhances neutrophil transendothelial migration through increasing surface expression of platelet endothelial cell adhesion molecule-1 via activation of mitogen activated protein kinase 1449
Okouchi M., Okayama N., Shimizu M., Omi H., Fukutomi T., Itoh M.: High insulin exacerbates neutrophil-endothelial cell adhesion through endothelial surface expression of intercellular adhesion molecule-1 via activation of protein kinase C and mitogen-activated protein kinase *(Short communication)* 556
Omoto S., Nomura S., Shouzu A., Nishikawa M., Fukuhara S., Iwasaka T.: Detection of monocyte-derived microparticles in patients with Type II diabetes mellitus 550
O'Harte F.P.M., Gault V.A., Parker J.C., Harriott P., Mooney M.H., Bailey C.J., Flatt P.R.: Improved stability, insulin-releasing activity and antidiabetic potential of two novel N-terminal analogues of gastric inhibitory polypeptide: N-acetyl-GIP and pGlu-GIP 1281
Ou D., Metzger D.L., Wang X., Huang J., Pozzilli P., Tingle A.J.: TNF-Related Apoptosis-Inducing Ligand Death Pathway-Mediated Human Beta-Cell Destruction 1678
Østerby R., Hartmann A., Bangstad H.-J.: Structural changes in renal arterioles in Type I diabetic patients 542
Pani M.A., Van Autreve J., Van der Auwera B.J., Gorus F.K., Badenhoop K.: Non-transmitted maternal HLA DQ2 or DQ8 alleles and risk of Type I diabetes in offspring: the importance of foetal or post partum exposure to diabetogenic molecules *(Short communication)* 1340
Paoletta M., Kahn S.E., Halban P.A.: Truncated (des-[27-31]) C-peptide is not a major secretory product of human islets 1523
Pérez-Jiménez F., López-Miranda J., Gómez P., Velasco M.J., Marín C., Pérez-Martínez P., Moreno J.A., Paniagua J.A.: The SstI polymorphism of the *apo C-III* gene is associated with insulin sensitivity in young men 1196
Pietropaolo M., Becker D.J., LaPorte R.E., Dorman J.S., Riboni S., Rudert W.A., Mazumdar S., Trucco M.: Progression to insulin-requiring diabetes in seronegative prediabetic subjects: the role of two *HLA-DQ* high-risk haplotypes 66
Plum L., Giesen K., Kluge R., Junger E., Linnartz K., Schürmann A., Becker W., Joost H.-G.: Characterisation of the mouse diabetes susceptibility locus

Nidd/SJL: islet cell destruction, interaction with the obesity QTL Nob1, and effect of dietary fat 823
Poore K.R., Fowden A.L.: The effect of birth weight on glucose tolerance in pigs at 3 and 12 months of age 1247
Poulsen P., Levin K., Beck-Nielsen H., Vaag A.: Age-dependent impact of zygosity and birth weight on insulin secretion and insulin action in twins 1649
Pundziute-Lyckå A., Dahlquist G., Nyström L., Arnqvist H., Björk E., Blohmé G., Bolinder J., Eriksson J.W., Sundkvist G., Östman J.: The incidence of Type I diabetes has not increased but shifted to a younger age at diagnosis in the 0–34 years group in Sweden 1983 to 1998 783
Ravier M.A., Sehlin J., Henquin J.C.: Disorganization of cytoplasmic Ca^{2+} oscillations and pulsatile insulin secretion in islets from *ob/ob* mice 1154
Ris F., Hammar E., Bosco D., Pilloud C., Maedler K., Donath M.Y., Oberholzer J., Zeender E., Morel P., Rouiller D., Halban P.A.: Impact of integrin-matrix matching and inhibition of apoptosis on the survival of purified human beta-cells in vitro 841
Ritz-Laser B., Estreicher A., Gauthier B.R., Mamin A., Edlund H., Philippe J.: The pancreatic beta-cell-specific transcription factor Pax-4 inhibits glucagon gene expression through Pax-6 97
Roep B.O., Engel N.K. van den, Halteren A.G.S. van, Duinkerken G., Martin S.: Modulation of autoimmunity to beta-cell antigens by proteases 686
Roivainen M., Ylipaasto P., Savolainen C., Galama J., Hovi T., Otonkoski T.: Functional impairment and killing of human beta cells by enteroviruses: the capacity is shared by a wide range of serotypes, but the extent is a characteristic of individual virus strains *(Rapid communication)* 693
Rossing K., Jacobsen P., Hommel E., Mathiesen E., Svenningsen A., Rossing P., Parving H.-H.: Pregnancy and progression of diabetic nephropathy 36
Rump P., Popp-Snijders C., Heine R.J., Hornstra G.: Components of the insulin resistance syndrome in seven-year-old children: relations with birth weight and the polyunsaturated fatty acid content of umbilical cord plasma phospholipids 349
Sakuraba H., Mizukami H., Yagihashi N., Wada R., Hanyu C., Yagihashi S.: Reduced beta-cell mass and expression of oxidative stress-related DNA damage in the islet of Japanese Type II diabetic patients 85
Schmid S., Molteni A., Füchtenbusch M., Naserke H.E., Ziegler A.-G., Bonifacio E.: Reduced IL-4 associated antibody responses to vaccine in early pre-diabetes 677
Schoenle E.J., Schoenle D., Molinari L., Largo R.H.: Impaired intellectual development in children with Type I diabetes: association with HbA_{1c}, age at diagnosis and sex 108
Sener A., Giroix M.-H., Malaisse W.J.: Underestimation of D-glucose utilisation as judged from the conversion of D-[3^3H]glucose to ^{3}HOH 1274
Shapiro A.M.J., Suarez-Pinzon W.L., Power R., Rabinovitch A.: Combination therapy with low dose sirolimus and tacrolimus is synergistic in preventing spontaneous and recurrent autoimmune diabetes in non-obese diabetic mice 224
Shibasaki M., Takahashi K., Itou T., Miyazawa S., Ito M., Kobayashi J., Bujo H., Saito Y.: Alterations of insulin sensitivity by the implantation of 3T3-L1 cells in nude mice. A role for TNF-α? 518
Shinoda-Tagawa T., Yamasaki Y., Yoshida S., Kajimoto Y., Tsujino T., Hakui N., Matsumoto M., Hori M.: A phosphodiesterase inhibitor, cilostazol, prevents the onset of silent brain infarction in Japanese subjects with Type II diabetes 188
Shore A.C., Evans J.C., Frayling T.M., Clark P.M., Lee B.C., Horikawa Y., Hattersley A.T., Tooke J.E.: Association of the calpain-10 gene with microvascular function 899
Shukla N., Thompson C.S., Angelini G.D., Mikhailidis D.P., Jeremy J.Y.: Homocysteine enhances impairment of endothelium-dependent relaxation and guanosine cyclic monophosphate formation in aortae from diabetic rabbits 1325
Siemelink M., Verhoef A., Dormans J.A.M.A., Span P.N., Piersma A.H.: Dietary fatty acid composition during pregnancy and lactation in the rat programs growth and glucose metabolism in the offspring 1397
Siluk D., Kaliszan R., Haber P., Petrusewicz J., Brzozowski Z., Sut G.: Antiaggregatory activity of hypoglycaemic sulphonylureas *(Short communication)* 1034
Sir-Petermann T., Angel B., Maliqueo M., Carvajal F., Santos J.L., Pérez-Bravo F.: Prevalence of Type II diabetes mellitus and insulin resistance in parents of women with polycystic ovary syndrome 959
Smith D., Pernet A., Reid H., Bingham E., Rosenthal J.M., Macdonald I.A., Umpleby A.M., Amiel S.A.: The role of hepatic portal glucose sensing in modulating responses to hypoglycaemia in man 1416
Soedamah-Muthu S.S., Colhoun H.M., Abrahamian H., Chan N.N., Mangili R., Reboldi G.P., Fuller J.H.: Trends in hypertension management in Type I diabetes across Europe, 1989/1990–1997/1999 1362
Song X.M., Fiedler M., Galuska D., Ryder J.W., Fernström M., Chibalin A.V., Wallberg-Henriksson H., Zierath J.R.: 5-Aminoimidazole-4-carboxamide ribonucleoside treatment improves glucose homeostasis in insulin-resistant diabetic (*ob/ob*) mice 56
Sparre T., Bjerre Christensen U., Mose Larsen P., Fey S.J., Wrzesinski K., Roepstorff P., Mandrup-Poulsen T., Pociot F., Karlsen A.E., Nerup J.: IL-1β induced protein changes in diabetes prone BB rat islets of Langerhans identified by proteome analysis 1550
Stride A., Vaxillaire M., Tuomi T., Barbetti F., Njølstad P.R., Hansen T., Costa A., Conget I., Pedersen O., Søvik O., Lorini R., Grooq L., Froguel P., Hattersley A.T.: The genetic abnormality in the beta cell determines the response to an oral glucose load 427
Stumvoll M., Wahl H.G., Machicao F., Häring H.: Insulin sensitivity of glucose disposal and lipolysis: no influence of common genetic variants in *IRS-1* and *CAPN10* 651
Summers L.K.M., Fielding B.A., Bradshaw H.A., Ilic V., Beysen C., Clark M.L., Moore N.R., Frayn K.N.: Substituting dietary saturated fat with polyunsaturated fat changes abdominal fat distribution and improves insulin sensitivity 369
Sundell J., Laine H., Nuutila P., Rönnemaa T., Luotolahti M., Raitakari O., Knuuti J.: The effects of insulin and short-term hyperglycaemia on myocardial blood flow in young men with uncomplicated Type I diabetes 775
Taverna M.J., Sola A., Guyot-Argenton C., Pacher N., Bruzzo F., Slama G., Reach G., Selam J.-L.: *Taq I* polymorphism of the vitamin D receptor and risk of severe diabetic retinopathy 436
Tomazic M., Janez A., Sketelj A., Kocijancic A., Eckel J., Sharma P.M.: Comparison of alterations in insulin signalling pathway in adipocytes from Type II diabetic pregnant women and women with gestational diabetes mellitus 502
Tonooka N., Tomura H., Takahashi Y., Onigata K., Kikuchi N., Horikawa Y., Mori M., Takeda J.: High frequency of mutations in the HNF-1α gene in non-obese patients with diabetes of youth in Japanese and identification of a case of digenic inheritance 1709
Trelle S.: Information management and reading habits of German diabetologists: a questionnaire survey 764
Trento M., Passera P., Bajardi M., Tomalino M., Grassi G., Borgo E., Donnola C., Cavallo F., Bondonio P., Porta M.: Lifestyle intervention by group care prevents deterioration of Type II diabetes: a 4-year randomized controlled clinical trial 1231
Ueno N., Inui A., Asakawa A., Takao F., Komatsu Y., Kotani K., Nishimura R., Kasuga M.: Mosapride, a 5HT-4 receptor agonist, improves insulin sensitivity and glycaemic control in patients with Type II diabetes mellitus 792

Vaarala O., Klemetti P., Juhela S., Simell O., Hyöty H., Ilonen J.: Effect of coincident enterovirus infection and cows' milk exposure on immunisation to insulin in early infancy *(Short communication)* 531
Valastro B., Cossette J., Lavoie N., Gagnon S., Trudeau F., Massicotte G.: Up-regulation of glutamate receptors is associated with LTP defects in the early stages of diabetes mellitus 642
Valerio G., Maiuri L., Troncone R., Buono P., Lombardi F., Palmieri R., Franzese A.: Severe clinical onset of diabetes and increased prevalence of other autoimmune diseases in children with coeliac disease diagnosed before diabetes mellitus (Short Communication) 1719
Vella A., Shah P., Reed A.S., Adkins A.S., Basu R., Rizza R.A.: Lack of effect of exendin-4 and glucagon-like peptide-1-(7,36)-amide on insulin action in non-diabetic humans 1410
Vilsbøll T., Krarup T., Madsbad S., Holst J.J.: Defective amplification of the late phase insulin response to glucose by GIP in obese Type II diabetic patients 1111
Wang Q., Brubaker P.L.: Glucagon-like peptide-1 treatment delays the onset of diabetes in 8 week-old db/db mice 1263
Watts G.F., Playford D.A., Croft K.D., Ward N.C., Mori T.A., Burke V.: Coenzyme Q_{10} improves endothelial dysfunction of the brachial artery in Type II diabetes mellitus 420
Weigert C., Brodbeck K., Klopfer K., Häring H.U., Schleicher E.D.: Angiotensin II induces human TGF-β 1 promoter activation: similarity to hyperglycaemia 890
Williams A.J.K., Bingley P.J., Moore W.P.T., Gale E.A.M., ENDIT Screening Group: Islet autoantibodies, nationality and gender: a multinational screening study in first-degree relatives of patients with Type I diabetes 217
Xu J.Y., Chan V., Zhang W.Y., Wat N.M.S., Lam K.S.L.: Mutations in the hepatocyte nuclear factor-1α gene in Chinese MODY families: prevalence and functional analysis 744
Yang X., Pratley R.E., Tokraks S., Bogardus C., Permana P.A.: Microarray profiling of skeletal muscle tissues from equally obese, non-diabetic insulin-sensitive and insulin-resistant Pima Indians 1584
Yang Z.-D., Chen M., Wu R., McDuffie M., Nadler J.-L.: The anti-inflammatory compound lisofylline prevents Type I diabetes in non-obese diabetic mice 1307
Yokomori N., Tawata M., Onaya T.: DNA demethylation modulates mouse leptin promoter activity during the differentiation of 3T3-L1 cells 140
Yu P.H., Wang M., Deng Y.L., Fan H., Shira-Bock L.: Involvement of semicarbazide-sensitive amine oxidase-mediated deamination in atherogenesis in KKAy diabetic mice fed with high cholesterol diet 1255
Yudkin J.S., May M., Elwood P., Yarnell J.W.G., Greenwood R., Davey Smith G.: Concentrations of proinsulin like molecules predict coronary heart disease risk independently of insulin: prospective data from the Caerphilly Study 327

For debate

Cohen I.R.: Peptide therapy for Type I diabetes: the immunological homunculus and the rationale for vaccination 1468
Dandona P., Aljada A., Mohanty P.: The anti-inflammatory and potential anti-atherogenic effect of insulin: a new paradigm 924
Gale E.A.M.: A missing link in the hygiene hypothesis? 588
Mühlhauser I., Berger M.: Patient education – evaluation of a complex intervention 1723
Sobngwi E., Gautier J.-F.: Adult-onset idiopathic Type I or ketosis-prone Type II diabetes: evidence to revisit diabetes classification 283

Letters

Arner P., Hoffstedt J.: Authors' Reply 1604
Backman V.M., Thorsson A.V., Fasquel A., Andrason H.S., Kristjánsson K., Gulcher J.R., Stefánsson K.: HLA class II alleles and haplotypes in Icelandic Type I diabetic patients: comparison of Icelandic and Norwegian populations 452
Bolinder J., Sjöberg S., Persson A., Ahrén B., Sundkvist G.: Autonomic neuropathy is associated with impaired pancreatic polypeptide and neuropeptide Y responses to insulin-induced hypoglycaemia in Type I diabetic patients 1043
Bowman M., Atkinson M.A.: Heat shock protein therapy fails to prevent diabetes in NOD mice 1350
Buzzetti R., Pozzilli P., Di Mario U., Ballerini C., Massacesi L.: Multiple sclerosis and Type I diabetes 1735
Carbone I C.M., Barella C., Minetti C., Ghiggeri G.M., Caridi G., Perfumo F., Lorini R.: A novel hepatocyte nuclear factor-1β (*MODY-5*) gene mutation in an Italian family with renal dysfunctions and early-onset diabetes 153
Charlton R., Smith G., Day A.: (2001) Munchausen's syndrome manifesting as factitious hypoglycaemia Diabetologia 44:784–785 149
De Vos P.: B.M. Kim et al.: Clusterin expression during regeneration of pancreatic islet cells in streptozotocin-induced diabetic rats. Diabetologia 44:2192–2202 931
Earle K.A.: Chandie Shaw PK, Vanderbroucke JP, Tjandra YI et al. (2002) Increased end-stage diabetic nephropathy in Indo-Asian immigrants living in the Netherlands. Diabetologia 45:337–341 1038
Ek J., Andersen G., Urhammer S.A., Gæde P.H., Drivsholm T., Borch-Johansen K., Hansen T., Pedersen O.: Author's Reply 604
Escolà-Gil J.C., Blanco-Vaca F., Julve J.: Overexpression of human apolipoprotein A-II in transgenic mice does not increase their susceptibility to insulin resistance and obesity 600
Frayling T.M., Hattersley A.T., Smith G.D., Ben-Shlomo Y.: Conflicting results on variation in the IGFI gene highlight methodological considerations in the design of genetic association studies 1605
Freeman M.S., Mansfield M.W.: J Hoffstedt et al. (2002) The common – 675 4G/5G polymorphism in the plasminogen activator inhibitor-1 gene is strongly associated with obesity 1602
Gloyn A.L., Ellard S., Shield J.P., Temple I.K., Mackay D.J.G., Polak M., Barrett T., Hattersley A.T.: Complete glucokinase deficiency is not a common cause of permanent neonatal diabetes 290
Goldfine A.B., Ebbeling C.B., Ludwig D.S.: Antegrade intravenous catheterization for metabolic studies in man 1742
Hayakawa T., Takamura T., Hisada A., Abe T., Nomura G., Kobayashi K.: *IL-6* gene polymorphism –174G/C does not contribute substantially to hyperlipidaemia and Type II diabetes mellitus in Japanes men 454
Hodgkinson A.D., Millward B.A., Demaine A.G.: Pinizzotto M, Castillo E, Fiaux M, Temier E, Gaillard RC, Ruiz J (2001) Paraoxonase 2 polymorphisms are associated with diabetic nephropathy in Type II diabetes. Diabetologia 44:104–107 933
Idris I., Tyreman N., Gray S., Donnelly R.: Losartan attenuates endothelial hyperpermeability responses to VPF and high glucose but not angiotensin II 291
Jacob Reichelt A.A., Ferraz T.M., Rocha Oppermann M.L., Costa e Forti A., Duncan B.B., Fleck Pessoa E., Schmidt M.I.: Detecting glucose intolerance after gestational diabetes: inadequacy of fasting glucose alone and risk associated with gestational diabetes and second trimester waist-hip ratio 455
Koda Y., Soejima M., Yamagishi S., Amano S., Okamoto T., Inagaki Y., Yamada K., Kimura H.: Haptoglobin genotype and diabetic microangiopathies in Japanese diabetic patients 1039
Koeleman B.V.P.C., Groot K.N. de, Slik A.R. van der, Roep B.O., Giphart M.J.: Association between D6S2223 and

Type I diabetes independent of HLA class II in Dutch families 598
Korec R.: Heine RJ, Dekker JM (2002) Beyond postprandial hyperglycaemia: metabolic factors associated with cardiovascular disease. Diabetologia 45:461–475 1349
Lacquemant C., Chikri M., Boutin P., Samson C., Froguel P.: No association between the G482S polymorphism of the proliferator-activated receptor-γ coactivator-1 *(PGC-1)* gene and Type II diabetes in French Caucasias 602
Lindner T., Cockburn B.N., Bell G.I.: (1999) Molecular genetics of MODY in Germany. Diabetologia 42:121–123 286
Lindner T.H.: The Author's Reply 287
Manzella D., Grella R., Marfella R., Giugliano D., Paolisso G.: Elevated post-prandial free fatty acids are associated with cardiac sympathetic overactivity in Type II diabetic patients 1737
Murphy M.J., Voss L.D., Metcalf B.S., Jeffery A.N., Mallam K., Kirkby J., Wilkin T.J.: C.S. Yajnik et al. (2001) Paternal insulin resistance and fetal growth. Diabetologia 44:1197–1198 595
Park I.-S.: Author's Reply 932
Piper K., Ball S.G., Turnpenny L.W., Brickwood S., Wilson D.I., Hanley N.A.: Beta-cell differentiation during human development does not rely on nestin-positive precursors: implications for stem cell-derived replacement therapy 1045
Prisco F., Iafusco D.: Gragnoli C et al. (2001) Early-onset Type II diabetes mellitus in Italian families due to mutations in the genes encoding hepatic nuclear factor 1 alpha and glucolcinase. Diabetologia 44:1326–1329 747
Rosenbauer J., Icks A., Schmitter D., Giani G.: Incidence of childhood Type I diabetes mellitus is increasing at all ages in Germany 456
Sabbatella L., Di Tola M., Picarelli A.: Not T et al. (2001) Undiagnosed coeliac disease and risk of autoimmune disorders in subjects with Type I diabetes mellitus. Diabetologia 44:151–155 748
Skoog T. et al: (2001) Tumour necrosis factor-α (TNF-α) polymorphisms *–857C/A* and *–863C/A* are associated with TNF-α secretion from human adipose tissue. Diabetologia 44:654–655 149
Stumvoll M., Häring H.: Reduced lipolysis as possible cause for greater weight gain in subjects with the *Pro12Ala* polymorphism in PPARγ_2? 152
Temelkova-Kurktschiev T., Henkel E., Koehler C., Karrei K., Hanefeld M.: Subclinical inflammation in newly detected Type II diabetes and impaired glucose tolerance 151
Turpeinen H., Laine A.-P.O., Nejentsev S., Sjöroos M., Simell O., Veijola R., Knip M., Åkerblom H.K., Ilonen J.: *CD86* Gene polymorphisms: no association with Type I diabetes among Finnish subjects 1041
Ueno N., Inui A., Asakawa A., Yuzuriha H., Fujimiya M., Kasuga M.: Impaired glucose tolerance in pancreatic polypeptide-overexpressing mice 1048
Vaxillaire M., Samson C., Cavé H., Metz C., Froguel P., Polak M.: Glucokinase gene mutations are not a common cause of permanent neonatal diabetes in France 454
Vozarova B., Metz C., Stefan N., Hanson R., Lindsay R.S., Bucala R., Bogardus C., Tataranni P.A.: Plasma concentrations of macrophage migration inhibitory factor are elevated in Pima Indians compared to Caucasians and are associated with insulin resistance 1739
Wilkin T.J.: (2001) The accelerator hypothesis: weight gain as the missing link between Type I and Type II diabetes. Diabetologia 44:914–921 288
Wilkin T.J.: Pundziute-Lyckå. A et al. (2002) The incidence of type 1 diabetes has not increased but shifted to a younger age at diagnosis in the 0–34 years group in Sweden 1983–1998. Diabetologia 45:783–791 1734
Wilkin T.J.: The Author's Reply 289
Yajnik C.S., Coyaji K.J., Joglekar C.V., Kellingray S., Fall C.: Author's reply 596
Yoshiuchi I., Yamagata K., Zhu Q., Tamada I., Takahashi Y., Onigata K., Takeda J., Miyagawa J., Matsuzawa Y.: Identification of a gain-of-function mutation in the HNF-1β gene in a Japanese family with MODY 154

Book reviews

156, 157, 1050, 1051, 1607

EASD News section

R 1, R 9, R 13, R 19, R 23, R 25, R 31, R 41, R 43, R 45, R 67, R 91

Errata

293, 458, 936, 1052, 1744

Retraction

1744

Supplement 1

Jönsson B.: Revealing the cost of Type II diabetes in Europe S5
Koopmanschap M.: Coping with Type II diabetes: the patient's perspective S18
Liebl A., Mata M., Eschwège E.: Evaluation of risk factors for development of complications in Type II diabetes in Europe S23
Massi-Benedetti M.: The Cost of Diabetes in Europe – Type II: the CODE-2 Study S1
Williams R., Van Gaal L., Lucioni C.: Assessing the impact of complications on the costs of Type II diabetes S13

List of referees

1745

Author index

1750

Author index Budapest 2002

1755

Contents of Volume 45

I